

# CHESTER

# RADIO SOCIETY

## Newsletter. Number 2 -Mar. 83-

### MONTHLY REVIEW.

The highlight of the months activity undoubtedly occurred on the weekend of Feb. 6th, when for those who could find it, the Society put on a demonstration for the Cheshire Scout Leaders at Blacon High School. Despite hurricane force winds the antennas were erected on the roof and operation on both HF and VHF was successfully achieved with much interest being shown by those from the Scout movement who were present. I am sure those who supported this venture will be gratified to learn that a letter from the organiser of the Cheshire Scouts has been received by the Committee thanking us for our efforts and informing us that some concrete interest has resulted and that we may be receiving some new members in the near future.



### PROGRAMME

- March 8th Talk by Norman Kendrick G3CSG on the G2DAF receiver and/or ATU.
- March 10th Visit to Cheshire Police HQ, everyone to meet outside the main entrance at 19:30 Hrs.
- March 15th A mysterious evening entitled QSL-QRA-QQM.
- March 22nd A talk about shack layout, illustrated with the assistance of video tape.



March 29th A talk by Tony Cooper G3TKD about hardware and software.

April 5th Committee meeting.

April 12th Direction Finding Part 2, by Chris G3TPY & Chris G8ICT. Please bring your DF Aerials with you.

April 19th Inter-Club Quiz and Hotpot Supper. The visiting team will be from the Wirral Club and will consist of 4 team members and a team Captain who's primary task is to present his team's answers to the Question Master. Due to his participation in a very successful quiz team over the past two years, Dave Ollerhead G4JMF has been asked to perform the role of Team Captain. If anyone would like to take part in the quiz, will you please give your name to him as soon as possible, members with good General Knowledge, together with Radio and Electronics of course, would be appreciated.

April 26th Wet 'n' Dry by Dave G8ZRE and Dave G5IFA.

May 3rd Committee meeting.

May 10th Visit by Harry James G3MCN of Stephens James Ltd.

May 17th A talk on the Cheshire Emergency Radio Organisation by Mr Stinchcombe, Emergency Planning Officer.

May 24th Visit to the local Decca Navigation Station near Neston.

May 31st Surplus Sale

In addition to this, please make a note that the Society will be putting a stand on at the Northern Radio Society's Convention at Pontins Southport on the weekend of 19th/20th March. Any member wishing to help with the Club Stand please contact Chris G8ICT.

#### SUBSCRIPTIONS

Please note that all subscriptions for the new year should be in before the end of March.

#### HOT POT SUPPER

To revive those shattered by the experience of the quiz, a Hot Pot Supper has been arranged for afterwards. This will include HOT POT with RED CABBAGE, APPLE PIE & CREAM together with a glass of wine for the princely sum of £2. Those wanting the HOT POT should give their name and £2 to Dave G4JMF, as soon as possible.

#### CW CLASSES

Dave G4MIH has kindly volunteered to give morse lessons before Club meetings starting at 19:30 Hrs. If you wish to take part, just turn up and you will be very welcome.

#### EQUIPMENT MODIFICATION NOTES Contributed by Tony Cooper G3TKD.

These are the modifications required to put the ICOM 1050 CB Rig on to 29.600 MHz.

The ICOM 1050 CB Rig can as outlined in Short Wave News be modded to run on 29 MHz. However of the five known to have been worked on, all have had a fault on when purchased, and only found when the mod. had been started, usually dry joints. The price of the ICOM 1050 appears to be in the range £23 to £26. The following notes are a collection of all the comments of those who have tried it with success.

- T1 Remove blue, green and mauve wires from MC 145106 chip.  
Connect mauve wire to pin 13 of chip.
- T2 Connect pins 10, 11 and 12 of chip to +5V via 10K resistor.
- T3 Clean wax from the following coils; T101, T102, T105, T201, T207, T208, T209, T301, T303, T307.
- T4 Remove two turns from T303 and core.
- T5 Open out turns on T305 as much as possible and remove core.
- T6 Remove one or two turns from L311 (Test for max. power).
- T7 Monitor pin 8 of chip and screw out the core (about four turns) until pin 8 goes high +5V (VCO lock).



T8 Adjust all coils in Tx section for max. RF output. Adjust C201 to bring frequency to 29.600 MHz, (may need extra padding). RV303 is the deviation control and may be turned fully clockwise. RF output should now be approx. 5 - 7 Watts. This completes the Tx modification.

SELECT CHANNEL 25 (29.600 MHz).

R1 Tune T101 and T102 for maximum received signal whilst receiving a suitable strength signal.

R2 Adjust C202 for signal on 29.600 MHz.  
Rx modification complete.

#### RIG FUND

This now stands at £193-54p. Many thanks to everyone who has contributed so far.

#### ITEMS FOR SALE

One TR7200G 2M FM 10W Mobile Transceiver. Arthur G8AWS, £70.

One TV Camera Philips ECL 8000 with RF & Video outputs. With lens £30, without lens £25. Circuit included. Alan G4EZO.

#### ITEMS WANTED

70cm Antenna for ATV work, Graham G6IXM.

23cm Antenna, Arthur G8AWS.

A 9 Element Tonna or ZL12 Antenna, Dave G8ZRE.

A 70cm Aerial/Transceiver or complete 70cm station, Dave G6IFA.

Pye Westminster type telephone handset (FM insert), Chris G8ICT.

#### CONTEST NEWS

Last year, using the callsign GW8GIZ/P, the Club entered the international Amateur TV Contest from the usual site at Rhosesmor (YN65h). Results just published show that we were placed 13th out of 22 entries. Whilst on the face of it this appears a fairly mediocre result for us, on a points per Watt basis we were top, using only 20 Watts against the two leading stations (on the S. Coast) using 150W and 400W respectively. The weekend involved some lift conditions which enabled stations in the southern half of the country to work into many European countries thereby chalking up big scores. Thanks to all those who helped on this outing.

The Society intends to participate in at least two contests this year, the first being VHF National Field Day which is held over the weekend of the 2nd & 3rd of July at the usual Rhosesmor site of Moel-y-Gaer and SSB Field Day on the 3rd & 4th of September at Broxton.

If sufficient CW operators and back up can be found, National Field Day may be considered on the 4th & 5th of June, or maybe the 432MHz low power contest would be more practical on the 31st of July. If you are interested please let your Committee know about it.

## SMC-TMP ELECTRONICS



Complete YAESU range in stock.  
also Hi-Gain, CDE, Kenpro, SMC.  
Masts, aerial fittings, etc.

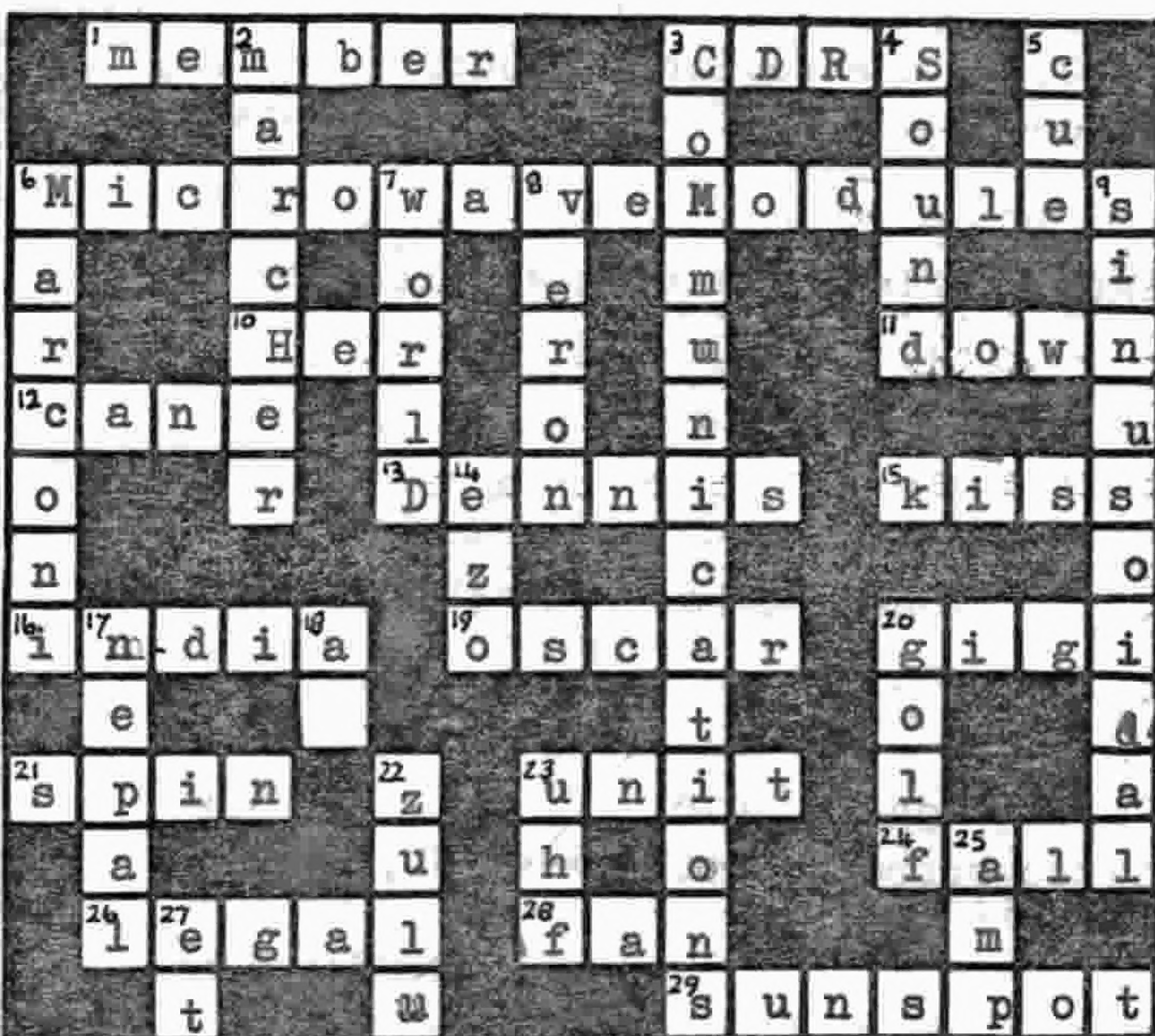
### Used equipment in stock:-

|                            |      |
|----------------------------|------|
| FT225 RD / mutek           | £475 |
| SRX30 as new               | £120 |
| Sentinel 100w linear / PSU | £100 |
| FDK 2m Palmsiser           | £80  |
| JR500S                     | £95  |
| FTV Xverter 2m             | £200 |

SMC/TMP Electronics, Unit 27  
Pinfold Workshops, Pinfold la.  
Buckley. Clywd. (Buckley 549563)



## CROSSWORD Contributed by Dave GUZRE.



- 1 & 3 f8 will get you in. (6.4).  
 6 Where Donald Duck goes for a Quick take away, (9.7).  
 10 XYL of GW3U00, (3).  
 11 See 24 across.  
 12 Naughty boys aerial support, (4).  
 13 Does the President own a catapult, (6).  
 15 Love from "Great Britain" when constructing, (4).  
 16 Phonetic Tyre it aint half hot, (5).  
 19 Award winning performance in space, (5).  
 20 Did Maurice Chevalier put out this CQ, (4).  
 21 Has the Cambridge 2M Repeater lost direction, (4).  
 23 Hi Fi box, (4).  
 24 Twigs do this in gales, (4. ).  
 26 27MHz FM, (5).  
 28 Keep the heat off the burner, (3).  
 29 Acne on page 3, (3.4).

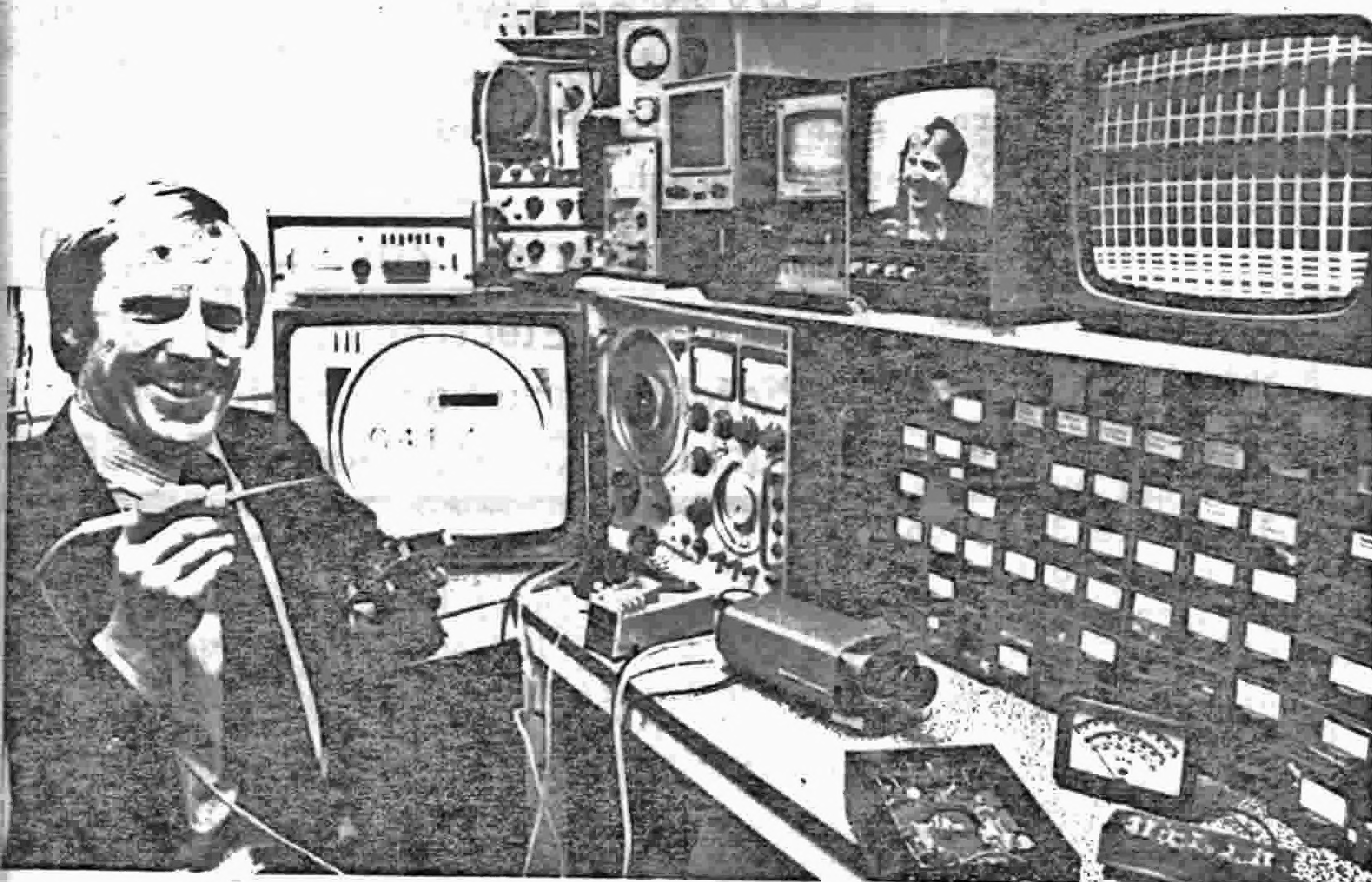
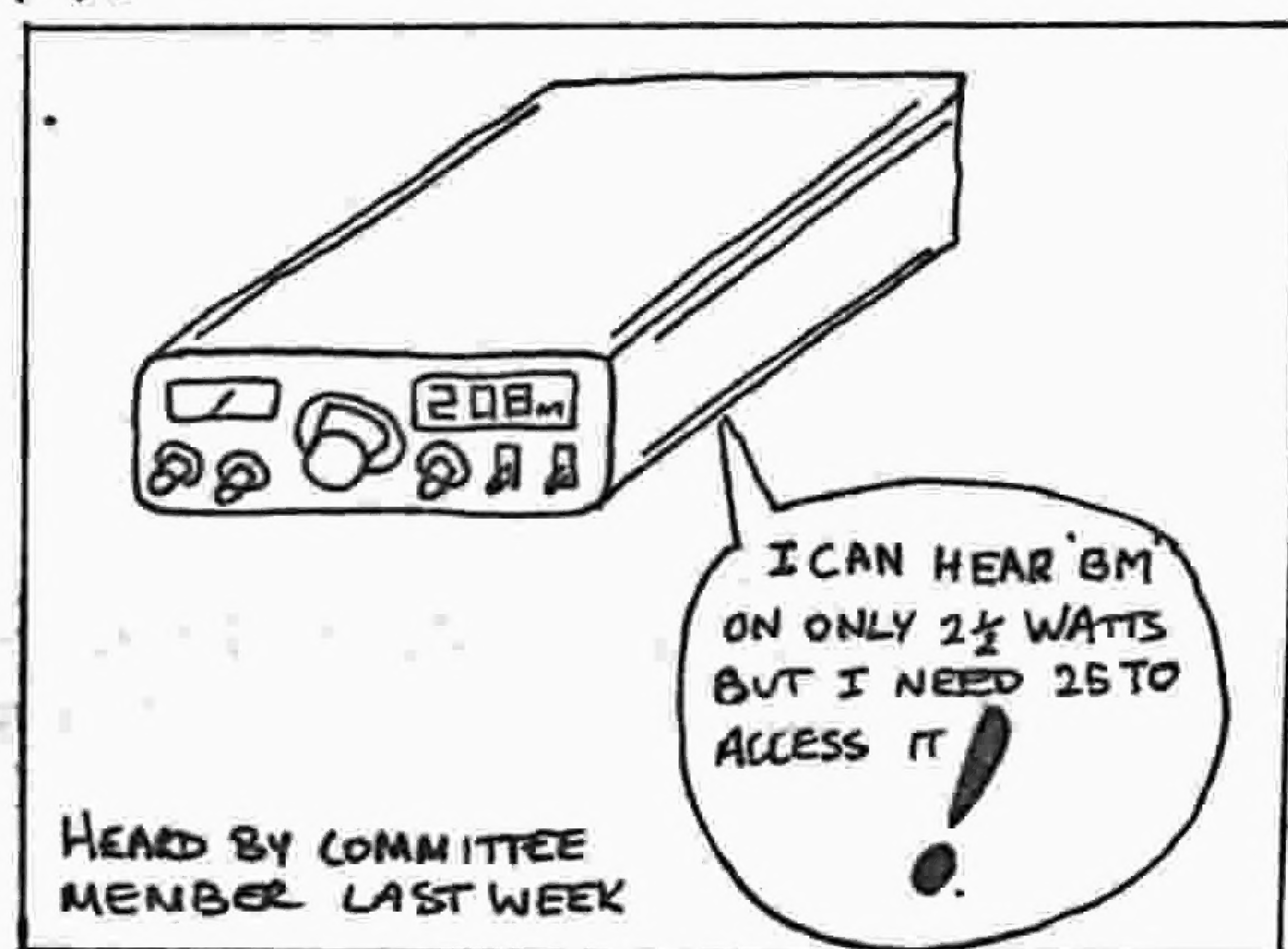
## CLUES DOWN

- 2&4 Was the distance 238M for these noisy soldiers, (7.5).  
 3 See 7 down.  
 4 See 2 down.

- 5 Steve Davies signal to transmit, (3).  
 6 Spaghetti wireless tests from Alum Bay I.O.W., (7).  
 7 & 3 The year 1983 is, (5.14).  
 8 RSGB on Police Dept. class D, (5).  
 9 Waves in the nose require 3 in'1, (10).  
 14 Chairman Alan, (3).  
 17 9N1 Sherpa Tensing, (5).  
 18 North Wales Repeater, (2).  
 20 Does Koo Stark play north of the border, (4).  
 22 South African air time, (4).  
 23 The gentry live here, (3).  
 25 Cake ingredient gives a shock, (3).  
 27 Can we help him phone home, (2).

## SHACK OF THE MONTH

This month, to start the ball rolling, here is the Chairman Alan G4EZO.



That's it again for this month. Any news or contributions to be with the Editor before March 29th for inclusion in the April Edition.

73,

Paul G3TZO.